

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

pMIEG3-JunDN

RRID:Addgene_40350

Type: Plasmid

Proper Citation

RRID:Addgene_40350

Plasmid Information

URL: <http://www.addgene.org/40350>

Proper Citation: RRID:Addgene_40350

Insert Name: Jun dominant negative

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15699140](#)

Vector Backbone Description: Backbone Marker:David A. Williams (PMID: 10961859); Vector Backbone:pMIEG3; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: The Jun dominant negative vector was made by first preparing a version of c-Jun with the first 122 aa deleted. This cDNA was amplified by PCR from human c-Jun with the following primers: sense, 5-AAAAAA-GAATTC-ATGACTAGCCAGAACACGCTGCCCAGCGTC-3; antisense, 5-AAAAAA-GAATTC-TCAGCTGGCATAGTCAGGCACGTCATAAGGATAGCTAAATGTTTGCAAC-3. The antisense primer adds a hemagglutinin tag to the C terminus of c-Jun. The PCR product was then cut with EcoRI and cloned into the retroviral vector pMIEG3.

Plasmid Name: pMIEG3-JunDN

Relevant Mutation: first 122 amino acids deleted

Record Creation Time: 20220422T222210+0000

Record Last Update: 20260815T081435+0000

Ratings and Alerts

No rating or validation information has been found for pMIEG3-JunDN.

No alerts have been found for pMIEG3-JunDN.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Hoxhallari L, et al. (2025) Regulation of nucleotide excision repair by wild-type HRAS signaling in head and neck cancer. *Cancer gene therapy*, 32(6), 662.

Brüggemann Y, et al. (2025) JNK kinase regulates phosphorylation of HCoV-229E nucleocapsid protein. *Npj viruses*, 3(1), 69.

Jameson NM, et al. (2019) Intron 1-Mediated Regulation of EGFR Expression in EGFR-Dependent Malignancies Is Mediated by AP-1 and BET Proteins. *Molecular cancer research : MCR*, 17(11), 2208.

Li Z, et al. (2019) The JNK signaling pathway plays a key role in methuosis (non-apoptotic cell death) induced by MOMIPP in glioblastoma. *BMC cancer*, 19(1), 77.

Gill MK, et al. (2018) A feed forward loop enforces YAP/TAZ signaling during tumorigenesis. *Nature communications*, 9(1), 3510.

Gurdziel K, et al. (2016) Transcriptome of the inner circular smooth muscle of the developing mouse intestine: Evidence for regulation of visceral smooth muscle genes by the hedgehog target gene, cJun. *Developmental dynamics : an official publication of the American Association of Anatomists*, 245(5), 614.

Liu X, et al. (2014) The synergistic repressive effect of NF- κ B and JNK inhibitor on the clonogenic capacity of Jurkat leukemia cells. *PloS one*, 9(12), e115490.